

CLAIMS

1. A digital motion picture recorder, comprising:
a housing sized to be portable for use by an individual;
means, mounted in the housing, for receiving a motion video signal and for converting
the motion video signal into a sequence of digital still images;
a digital, computer-readable and writable random-access medium mounted in the
housing and connected both to receive and store and to retrieve and playback the sequence of
digital still images in a computer-readable file format;
means, having an input for receiving a sequence of digital still images, for generating an
output video signal; and
means for selectively switching between the sequence of digital still images of the
received motion video signal and a sequence of digital still images from the digital, computer-
readable and writable random-access medium to the input of the means for generating an output
signal.
2. The digital motion picture recorder of claim 1, further comprising a motion picture
editing system within the housing.
3. The digital motion picture recorder of claim 2, further comprising a display and editing
controls on the housing to edit and display the sequence of digital still images.
4. A digital video recording device, comprising:
a portable housing;
a camera mounted on the portable housing having an output providing a video signal;
a decoder mounted on the portable housing having an input connected to the output of
the camera and an output providing digital video information;
a random-access, computer-readable medium mounted on the portable housing and for
storing digital video information;
an encoder mounted on the portable housing and providing an output video signal and
having an input for receiving digital video information; and
means for selecting between at least two sources of digital video information for

application to the input of the encoder, wherein the at least two sources of digital information include the output of the decoder and the random-access, computer-readable medium.

5. A digital video recording device, comprising:

5 a portable housing;
a camera mounted on the portable housing having an output providing a video signal;
a random-access, computer-readable medium mounted on the portable housing and for
storing digital video information;
an encoder mounted on the portable housing and having a first input for receiving
10 digital video information from the random-access, computer-readable medium, a second input
for receiving a video signal from the camera and an output providing a video signal according the
either the first or second input; and
means for causing the encoder to select between the first and second inputs.

15 6. A digital video recording device, comprising, in a portable housing:

means for receiving a video signal;
means for storing digital video information obtained from the video signal;
an encoder mounted on the portable housing and having a first input for receiving the
stored digital video information and a second input for receiving the video signal, and an output
20 providing a video signal according the either the first or second input; and
means for causing the encoder to select between the first and second inputs.

7. The digital video recording device of claim 6, further comprising:

means for selectively operating the means for storing to store the received video signal
25 as digital video information or to direct stored video information to the encoder.

8. The digital video recording device of claim 6, further comprising:

an editing system for generating a play list including instructions for controlling the
means for storing and the means for causing to generate at the output a sequence of live and
30 recorded clips as a contiguous output video signal.

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